

1
SEQUENCE LISTING

<110> Barnea , Eilon

Beer, Ilan

Ziv, Tamar

Admon, Arie

Dassau, Lior

Buchsbaum, Samuel

<120> METHOD OF IDENTIFYING PEPTIDES CAPABLE OF BINDING TO MHC MOLECULES, PEPTIDES IDENTIFIED THEREBY AND THEIR USES

<130> 26884

<160> 372

<170> PatentIn version 3.1

<210> 1

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 1

Leu Leu Asp Val Pro Thr Ala Ala Val
1 5

<210> 2

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 2

Leu Leu Leu Asp Val Pro Thr Ala Ala Val
1 5 10

<210> 3

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 3

Leu Leu Leu Asp Val Pro Thr Ala Ala Val Gln Ala
1 5 10

<210> 4

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 4

Gly Leu Leu Gly Thr Leu Val Gln
1 5

<210> 5

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 5

Gly Leu Leu Gly Thr Leu Val Gln Leu
1 5

<210> 6

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 6

Ala Leu Phe Gly Ala Leu Phe Leu Ala
1 5

<210> 7

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 7

Ser Leu Leu Gly Gly Asp Val Val Ser Val
1 5 10

<210> 8

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 8

Asn Leu Thr Ile Ser Asp Val Ser Val
1 5

<210> 9

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 9

Ser Leu Trp Gly Gln Pro Ala Glu Ala
1 5

<210> 10

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 10

Ser Leu Ile Gly His Leu Gln Thr Leu
1 5

<210> 11

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 11

Ser Leu Ser Glu Lys Thr Val Leu Leu
1 5

<210> 12

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 12

Ser Leu Phe Pro Gly Lys Leu Glu Val
1 5

<210> 13

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 13

Gly Leu Ile Glu Lys Asn Ile Glu Leu
1 5

<210> 14

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 14

Gly Leu Tyr Pro Gly Leu Ile Trp Leu
1 5

<210> 15

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 15

Tyr Leu Leu Pro Ala Ile Val His Ile
1 5

<210> 16

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 16

Ala Leu Ser Asp His His Ile Tyr Leu
1 5

<210> 17

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 17

Ile Leu Asp Gln Lys Ile Asn Glu Val
1 5

<210> 18

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 18

Ile Leu Asp Lys Lys Val Glu Lys Val
1 5

<210> 19

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 19

Ser Leu Leu Pro Pro Thr Ala Leu Val Gly Leu
1 5 10

<210> 20

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 20

Gly Val Tyr Asp Gly Glu Glu His Ser Val
1 5 10

<210> 21

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 21

Ser Leu Leu Pro Pro Asp Ala Leu Val Gly Leu
1 5 10

<210> 22

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 22

Thr Leu Trp Val Asp Pro Tyr Glu Val
1 5

<210> 23

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 23

Phe Leu Phe Asp Gly Ser Pro Thr Tyr Val
1 5 10

<210> 24

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 24

Phe Leu Phe Asp Gly Ser Pro Thr Tyr Val Leu
1 5 10

<210> 25

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 25

Ala Leu Trp Asp Ile Glu Thr Gly Gln Gln Thr Val
1 5 10

<210> 26

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 26

Val Pro Ser Glu Pro Gly Gly Val Leu
1 5

<210> 27

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 27

Ser Pro Thr Gln Pro Ile Gln Leu
1 5

<210> 28

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 28

Ser Pro Ala Leu Pro Gly Leu Lys Leu
1 5

<210> 29

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 29

Ala Pro Arg Thr Val Ala Leu Thr Ala
1 5

<210> 30

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 30

Ser Pro Lys Leu Pro Val Ser Ser Leu
1 5

<210> 31

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 31

Lys Pro Ser Leu Pro Phe Thr Ser Leu
1 5

<210> 32

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 32

Leu Val Met Ala Pro Arg Thr Val Leu
1 5

<210> 33

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 33

Lys Pro Ala Phe Phe Ala Glu Lys Leu
1 5

<210> 34

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 34

Ser Pro Tyr Gln Asn Ile Lys Ile Leu
1 5

<210> 35

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 35

Ala Ala Ser Lys Glu Arg Ser Gly Val Ser Leu
1 5 10

<210> 36

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 36

Ala Pro Phe Glu Pro Leu Ala Ser Gly Ile Leu
1 5 10

<210> 37

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 37

Ala Pro Ser Gly Ser Leu Ala Val Pro Leu Ala Val Leu
1 5 10

<210> 38

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 38

Gly Val Tyr Asp Gly Arg Glu His Thr Val
1 5 10

<210> 39

<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic peptide
<400> 39
Gly Leu Tyr Asp Gly Met Glu His Leu
1 5

<210> 40
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic oligonucleotide
<400> 40
agattcccaa gcttatgtct cgctccgtgg

30

<210> 41
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic oligonucleotide
<400> 41
agctagtcta gattatcaca tgtctcgatc ccacttaac

39

<210> 42
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic peptide
<400> 42
Ile Met Asp Gln Val Pro Phe Ser Val
1 5

<210> 43
<211> 9
<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 43

Ala Leu Leu Cys Ala Pro Ser Leu Leu
1 5

<210> 44

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 44

Ala Leu Ala Pro Gly Leu Pro Thr Ala
1 5

<210> 45

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 45

Lys Leu Leu Glu Pro Val Leu
1 5

<210> 46

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 46

Ser Leu Leu Pro Ala Ile Val Glu
1 5

<210> 47

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 47

Ser Val Leu Gly Ser Leu Ser Ser Val
1 5

<210> 48

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 48

Leu Leu Gly Pro Pro Pro Val Gly Val
1 5

<210> 49

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 49

Pro Gly Pro Pro Pro Pro Pro Pro Pro
1 5

<210> 50

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 50

Ser Met Ser Gly Pro Leu Ile Gly Val
1 5

<210> 51

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 51

Ser Met Ala Pro Gly Leu Thr Ser Val
1 5

<210> 52

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 52

Leu Leu Ile Pro Gly Leu Ala Thr Ala
1 5

<210> 53

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 53

Gly Leu Leu Gly Asn Val Ala Glu Val
1 5

<210> 54

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 54

Ser Leu Ile Lys Leu Val Glu Ala
1 5

<210> 55

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 55

Gly Leu Ala Glu Ser Val Ser Thr Leu
1 5

<210> 56

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 56

Ala Ile Ile Gly Gly Thr Phe Thr Val
1 5

<210> 57

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 57

Ile Ile Thr Gly Pro Ala Pro Val Leu
1 5

<210> 58

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 58

Ser Phe Asp Gly Trp Ala Thr Val
1 5

<210> 59

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 59

Leu Pro Pro Asp Ala Leu Val Gly Leu
1 5

<210> 60

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 60

Ile Leu Asp Ala Gly Gly His Asn Val
1 5

<210> 61

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 61

Gly Leu Tyr Ser Gly Val Thr Thr Val
1 5

<210> 62

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 62

Phe Leu Tyr Pro Phe Pro Leu
1 5

<210> 63

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 63

Ala Leu Leu Pro Ser Ser Pro Thr Leu
1 5

<210> 64

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 64

Lys Leu Gly Ser Val Pro Val Thr Val
1 5

<210> 65

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 65

Ala Leu Phe Pro Gly Val Ala Leu Leu
1 5

<210> 66

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 66

Gly Leu Val Gly Ser Leu Gln Glu Val
1 5

<210> 67

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 67

Ala Pro Leu Ser Asp Thr Ala Gln Val
1 5

<210> 68

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 68

Ala Pro Leu Ser Asp Thr Ala Gln Val
1 5

<210> 69

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 69

Gly Leu Ala Thr Asp Val Gln Thr Val
1 5

<210> 70

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 70

Ser Leu Phe Gly Gly Ser Val Lys Leu
1 5

<210> 71

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 71

Lys Val Gly Pro Val Pro Val Leu Val
1 5

<210> 72

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 72

Gly Leu Leu Pro Asp Val Pro Ser Leu
1 5

<210> 73

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 73

Ala Leu Pro Pro Val Leu Thr Thr Val
1 5

<210> 74

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 74

Gly Val Leu Pro Asn Ile Gln Ala Val
1 5

<210> 75

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 75

Ala Leu Thr Pro Val Val Val Thr Leu
1 5

<210> 76

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 76

Ala Leu Asn Pro Ala Asp Ile Thr Val
1 5

<210> 77

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 77

Asp Ala Glu Gly Leu Ala Leu Leu Leu
1 5

<210> 78

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 78

Ser Leu Thr Gly His Ile Ser Thr Val
1 5

<210> 79

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 79

Val His Val Leu Thr Phe Thr Val
1 5

<210> 80

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 80

Ile Leu Gly Leu Gly Tyr Pro Ser Leu
1 5

<210> 81

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 81

Ala Leu Leu Ala Gly Ser Glu Tyr Leu
1 5

<210> 82

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 82

Ser Leu Ala Glu Leu Val His Ala Val
1 5

<210> 83

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 83

Met Gln Pro Ile Leu Leu Leu Leu
1 5

<210> 84

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 84

Gly Leu Phe Ala Pro Gln Phe Tyr
1 5

<210> 85

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 85

Ala Leu Trp Gly Gln Gly Thr Leu Val
1 5

<210> 86

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 86

Asp Thr Glu Thr Ala Val Val Asn Val
1 5

<210> 87

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 87

Ala Leu Leu Pro Ile Phe Phe Gly Ala
1 5

<210> 88

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 88

Ala Met Val Ile Phe Lys Ser Gly Val
1 5

<210> 89

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 89

Ser Leu Leu Pro Ala Ile Val Glu Leu
1 5

<210> 90

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 90

Ser Leu Phe Pro Gly Gln Val Val Ile
1 5

<210> 91

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 91

Ser Leu Leu Glu Lys Ser Leu Gly Leu
1 5

<210> 92

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 92

Ile Leu Thr Asp Ile Thr Lys Gly Val
1 5

<210> 93

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 93

Gly Leu Phe Gln Gly Lys Thr Pro Leu
1 5

<210> 94

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 94

Glu Ser Gln Leu Lys Lys Met Val
1 5

<210> 95

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 95

Phe Leu Tyr Pro Phe Pro Leu Ala
1 5

<210> 96

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 96

Ala Leu Thr Gly His Leu Glu Glu Val
1 5

<210> 97

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 97

Ser Leu Leu Asp Pro Val Pro Glu Val
1 5

<210> 98

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 98

Met Ala Pro Gln Ala Leu Leu Leu Leu
1 5

<210> 99

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 99

Phe Ser Asn Gly Tyr Leu Ala Ser Leu
1 5

<210> 100

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 100

Thr Leu Ile Glu Asp Ile Leu Gly Val
1 5

<210> 101

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 101

Ile Ala Glu Ala Val Arg Thr Thr Leu
1 5

<210> 102

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 102

Lys Leu Ser Glu Leu Glu Ala Ala Leu
1 5

<210> 103

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 103

Phe Leu Ser Glu His Pro Asn Val Thr Leu
1 5 10

<210> 104

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 104

Ser Leu Ser Val Lys Leu Glu Gln Ala
1 5

<210> 105

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 105

Met Leu Leu Ala Ala Leu Met Ile Val
1 5

<210> 106

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 106

Ala Ile Leu Pro Thr Ser Ile Phe Leu
1 5

<210> 107

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 107

Ala Ala Leu Pro Asn Val Tyr Glu Val
1 5

<210> 108

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 108

Arg Met Leu Pro His Ala Pro Gly Val
1 5

<210> 109

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 109

Leu Met Val Leu Val Ala Leu Ile Leu
1 5

<210> 110

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 110

Lys Ile Leu Pro Thr Leu Glu Ala Val
1 5

<210> 111

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 111

Ala Leu Leu Asp Arg Ile Val Ser Val
1 5

<210> 112

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 112

Thr Leu Val Tyr His Val Val Gly Val
1 5

<210> 113

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 113

Tyr Leu Pro Pro Ala Thr Gln Val Val
1 5

<210> 114

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 114

Pro Met Glu Ala Leu Ala Glu Gln Val
1 5

<210> 115

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 115

Arg Leu Ser Glu Ala Ile Val Thr Val
1 5

<210> 116

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 116

Ser Leu Asp Gln Pro Thr Gln Thr Val
1 5

<210> 117

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 117

Lys Leu His Gly Val Asn Ile Asn Val
1 5

<210> 118

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 118

Leu Val Met Ala Pro Arg Thr Val Leu
1 5

<210> 119

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 119

Ser Ile Ile Gly Arg Leu Leu Glu Val
1 5

<210> 120

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 120

Met Ala Val Ala Leu Gln Leu Arg Val
1 5

<210> 121

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 121

Gly Leu Asn Glu Glu Ile Ala Arg Val
1 5

<210> 122

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 122

Ile Met Lys Val Ala Gln Ala Lys Leu
1 5

<210> 123

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 123

Thr Leu Ser Glu Val Thr Asn Gln Leu
1 5

<210> 124

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 124

Ala Leu Phe Glu Gly Lys Val Gln Leu
1 5

<210> 125

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 125

Gly Leu Lys Gly Arg Val Phe Glu Val
1 5

<210> 126

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 126

Asn Ile Phe Pro Tyr Pro Val Gly Val
1 5

<210> 127

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 127

Leu Val Ser Ile Val Val Ala Val Pro Leu
1 5 10

<210> 128

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 128

Asn Met Tyr Gly Lys Val Val Thr Val
1 5

<210> 129

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 129

Ser Leu Ile Asn Val Gly Leu Ile Ser Val
1 5 10

<210> 130

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 130

Ala Leu Leu Gly Thr Leu Trp Glu Ile
1 5

<210> 131

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 131

Phe Gln Asp Pro Val Pro Leu Thr Val
1 5

<210> 132

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 132

Gly Leu Tyr Pro Asn Leu Ile Gln Val
1 5

<210> 133

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 133

Val Met Asp Ser Lys Ile Val Gln Val
1 5

<210> 134

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 134

Ala Leu Leu Asp Lys Leu Tyr Ala Leu
1 5

<210> 135

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 135

Asn Leu Ala Ser Phe Ile Glu Gln Val
1 5

<210> 136

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 136

Thr Leu Trp Val Asp Pro Tyr Glu
1 5

<210> 137

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 137

Lys Ile Ala Asp Phe Gly Trp Ser Val
1 5

<210> 138

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 138

Ser Leu Leu Ser His Val Glu Gln Leu
1 5

<210> 139

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 139

Gly Leu Ala Asp Lys Val Tyr Phe Leu
1 5

<210> 140

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 140

Ser Leu Leu Asp Ile Ile Glu Lys Val
1 5

<210> 141

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 141

Phe Val Phe Pro Gly Glu Leu Leu Leu
1 5

<210> 142

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 142

Ala Leu Asn Glu Leu Leu Gln His Val
1 5

<210> 143

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 143

Asn Leu Tyr Glu Gly Gln Ile Thr Val
1 5

<210> 144

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 144

Phe Thr Lys Asp Phe Ala Pro Val Ile
1 5

<210> 145

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 145

Lys Leu Leu Glu Pro Val Leu Leu Leu
1 5

<210> 146

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 146

Gly Leu Phe Ala Pro Gln Phe Tyr Val
1 5

<210> 147

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 147

Leu Met Val Asp His Val Thr Glu Val
1 5

<210> 148

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 148

Phe Leu Leu Pro Ile Leu Ser Gln Ile
1 5

<210> 149

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 149

Phe Leu Ile Pro Leu Asn Ile Thr Asn
1 5

<210> 150

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 150

Asn Leu Leu Pro Lys Leu His Ile Val
1 5

<210> 151

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 151

Leu Leu Asp Arg Phe Leu Ala Thr Val
1 5

<210> 152

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 152

Tyr Leu Asp Pro Ser Val Leu Ser Gly Val
1 5 10

<210> 153

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 153

Leu Leu Tyr Pro Thr Glu Ile Thr Val
1 5

<210> 154

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 154

Asn Leu Gly Asp Phe Leu Ile Phe Leu
1 5

<210> 155

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 155

Gly Leu Tyr Glu Gly Leu Thr Trp Leu
1 5

<210> 156

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 156

Ser Leu Phe Asp Leu Asn Phe Gln Ala
1 5

<210> 157

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 157

Met Phe Ser Leu Glu Asp Ser Ile Ile
1 5

<210> 158

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 158

Ala Met Trp Glu His Pro Ile Thr Ala
1 5

<210> 159

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 159

Tyr Leu Gly Arg Leu Ala His Glu Val
1 5

<210> 160

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 160

Gly Leu Ile Asp His Gln Thr Tyr Leu
1 5

<210> 161

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 161

Ala Ile Gln Asp Lys Leu Phe Gln Val
1 5

<210> 162

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 162

Ile Val Lys Trp Asp Arg Asp Met
1 5

<210> 163

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 163

Arg Ile Ile Asp Val Val Tyr Asn Ala
1 5

<210> 164

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 164

Lys Ile Tyr Glu Gly Gln Val Glu Val
1 5

<210> 165

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 165

Phe Leu Pro Ser Tyr Ile Ile Asp Val
1 5

<210> 166

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 166

Tyr Met Met Pro Val Asn Ser Glu Val
1 5

<210> 167

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 167

Asn Lys Asp Leu Lys Met Pro Lys Val
1 5

<210> 168

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 168

Asn Leu Ala Glu Asp Ile Met Arg Leu
1 5

<210> 169

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 169

Tyr Leu Pro Glu Leu Leu Gln Thr Val
1 5

<210> 170

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 170

Phe Leu Tyr Pro Phe Pro Leu Ala Leu
1 5

<210> 171

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 171

Asn Leu Tyr Pro Phe Val Lys Thr Val
1 5

<210> 172

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 172

Ser Val Ile Glu Gln Leu Phe Phe Val
1 5

<210> 173

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 173

Ser Leu Leu Glu Pro Phe Val Tyr Leu
1 5

<210> 174

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 174

Ile Leu Phe Gly His Glu Asn Arg Val
1 5

<210> 175

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 175

Lys Leu Gln Glu Val Gly Gln Val Ser Val
1 5 10

<210> 176

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 176

Arg Leu Phe Asp Glu Pro Gln Leu Ala
1 5

<210> 177

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 177

Ser Leu Phe Pro Gly Lys Leu Glu Val Val
1 5 10

<210> 178

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 178

Val Met Leu Gly Thr Pro Phe Leu Val Ile
1 5 10

<210> 179

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 179

Ser Leu Tyr Asp Tyr Asn Pro Asn Leu
1 5

<210> 180

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 180

Phe Leu Leu Gly Pro Arg Leu Val Leu Ala
1 5 10

<210> 181

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 181

Phe Leu Tyr Thr Gly Glu Gly Asp Thr Val
1 5 10

<210> 182

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 182

Lys Leu Asn Pro Gln Gln Phe Glu Val
1 5

<210> 183

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 183

Ser Leu Ala Asp Leu Gln Asn Asp Glu Val
1 5 10

<210> 184

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 184

Arg Leu Leu Asp Tyr Val Val Asn Ile
1 5

<210> 185

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 185

Phe Val Asp Asp Tyr Thr Val Arg Val
1 5

<210> 186

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 186

Ser Leu Phe Glu Gly Thr Trp Tyr Leu
1 5

<210> 187

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 187

Ala Leu Tyr Asn Trp Leu Ile Gln Val
1 5

<210> 188

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 188

Val Leu Ile Asp Tyr Gln Arg Asn Val
1 5

<210> 189

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 189

Phe Thr Trp Glu Gly Leu Tyr Asn Val
1 5

<210> 190

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 190

Ile Leu Met Glu His Ile His Lys Leu
1 5

<210> 191

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 191

Arg Leu Asp Glu Leu Gly Gly Val Tyr Leu
1 5 10

<210> 192

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 192

Lys Leu Leu Ser Lys Phe Tyr Glu Leu
1 5

<210> 193

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 193

Lys Val Leu Asp Phe Glu His Phe Leu
1 5

<210> 194

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 194

Tyr Leu Pro Glu Asp Phe Ile Arg Val
1 5

<210> 195

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 195

Ser Leu Lys Tyr Val Pro Leu Val
1 5

<210> 196

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 196

Leu Pro Tyr Trp Gly Val Ala Leu
1 5

<210> 197

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 197

Ser Ile Tyr Pro Ser Pro Thr Gly Val
1 5

<210> 198

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 198

Ala Leu Ala Ser His Leu Ile Glu Ala
1 5

<210> 199

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 199

Lys Leu Gly Pro Ala Pro Lys Thr Leu
1 5

<210> 200

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 200

Lys Leu Leu Glu Pro Val Leu Leu
1 5

<210> 201

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 201

Ala Leu Ser Gly His Leu Glu Thr Val
1 5

<210> 202

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 202

Ser Leu Leu Asp Lys Ile Ile Gly Ala
1 5

<210> 203

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 203

Gly Leu Leu Gly Ala Gly Gly Thr Val Ser Val
1 5 10

<210> 204

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 204

Gly Leu Val Pro Phe Leu Val Ser Val
1 5

<210> 205

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 205

Phe Phe Ala Glu Gln Leu
1 5

<210> 206

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 206

Leu Arg Leu Gln Leu Leu
1 5

<210> 207

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 207

Ala Pro Arg Thr Val Leu Leu
1 5

<210> 208

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 208

Gly Pro Arg Ser Pro Ser Pro Leu
1 5

<210> 209

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 209

Gly Leu Gly Pro Val Phe Leu Leu
1 5

<210> 210

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 210

Leu Leu Pro Leu Ile Ala Ala Leu
1 5

<210> 211

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 211

Ala Pro Ala Ala Val Ala Leu Val Leu
1 5

<210> 212

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 212

Ala Pro Ala Val Thr Pro Ala Val Leu
1 5

<210> 213

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 213

Phe Pro His Leu Ile Thr Leu
1 5

<210> 214

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 214

Lys Pro Phe Leu Gly Ile Gly Leu
1 5

<210> 215

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 215

Gly Glu Phe Gly Gly Phe Gly Ser Val
1 5

<210> 216

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 216

Ala Pro Tyr Gly Gly Pro Ile Ala Leu
1 5

<210> 217

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 217

Ala Pro Ile Ala Lys Val Gly Val Leu
1 5

<210> 218

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 218

Thr Pro Ala Pro Val Pro Thr Ser Leu
1 5

<210> 219

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 219

Ala Pro Arg Thr Val Leu Leu Leu
1 5

<210> 220

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 220

Asn Pro Ala Ser Pro Pro Leu Ser Leu
1 5

<210> 221

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 221

Ala Met Leu His Asp Val Val Leu
1 5

<210> 222

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 222

Ala Pro Val Leu Pro His Thr Ala Val
1 5

<210> 223

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 223

Leu Pro Pro Pro Pro Pro Pro Gly His
1 5

<210> 224

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 224

Asn Pro Ala Ser Lys Val Ile Ala Leu
1 5

<210> 225

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 225

Lys Ser Phe Lys Leu Ser Gly Phe
1 5

<210> 226

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 226

Thr Leu Gly Asn Val Leu Val Thr Val
1 5

<210> 227

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 227

Ala Leu Leu Ala Tyr Thr Leu Gly Val
1 5

<210> 228

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 228

Leu Pro Lys Pro Pro Gly Arg Gly Val
1 5

<210> 229

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 229

Phe Val Phe Pro Gly Glu Leu Leu
1 5

<210> 230

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 230

Ala Pro Ala Pro Arg Pro Ser Leu Leu
1 5

<210> 231

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 231

Ser Leu Leu Ala Ala Pro Ile Met Leu
1 5

<210> 232

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 232

Ser Pro Arg Leu Pro Val Gly Gly Phe
1 5

<210> 233

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 233

Gly Pro Ile Tyr Pro Gly His Gly Met
1 5

<210> 234

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 234

Ser Leu Val Ile Gly Ser Ile Leu Gly Ala
1 5 10

<210> 235

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 235

Ala Pro Arg Pro Ala Gly Ser Tyr Leu
1 5

<210> 236

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 236

Val Pro Tyr Gly Thr Pro Leu Ser Val
1 5

<210> 237

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 237

Ala Leu Phe Gly Ile Pro Met Ala Leu
1 5

<210> 238

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 238

Ser Pro Asn Lys Leu Tyr Thr Leu
1 5

<210> 239

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 239

Ala Pro Arg Gln Pro Gly Leu Met Ala
1 5

<210> 240

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 240

Ala Pro His Leu Val Gly Pro His Leu
1 5

<210> 241

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 241

Ser Leu Ile Pro Thr Ser Pro Gln Val
1 5

<210> 242

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 242

Val Pro Lys Gly Trp Glu Ile Ile
1 5

<210> 243

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 243

Ser Pro Arg Gly Phe Pro Leu Gly Leu
1 5

<210> 244

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 244

Ala Pro Ser Arg Asn Gly Met Val Leu
1 5

<210> 245

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 245

Met Leu Phe Pro Gly Ser Ile Ala Leu
1 5

<210> 246

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 246

Ala Pro Arg Val Pro Val Gln Ala Leu
1 5

<210> 247

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 247

Leu Leu Leu Pro Gly Glu Leu Ala Lys
1 5

<210> 248

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 248

Phe Phe Ser Val Phe Met Ala Leu
1 5

<210> 249

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 249

Gly Pro Arg Ala Pro Gly Pro Ser Leu Leu
1 5 10

<210> 250

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 250

Gly Pro Arg Thr Ala Ala Leu Gly Leu Leu
1 5 10

<210> 251

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 251

Ser Pro Asn Gln Lys Leu Leu Ala Val
1 5

<210> 252

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 252

Leu Leu Ala Ser Glu Val Pro Gln Leu
1 5

<210> 253

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 253

Ala Pro Lys Arg Pro Pro Ser Ala Phe
1 5

<210> 254

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 254

Val Pro Ala Glu Pro Lys Leu Ala Phe
1 5

<210> 255

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 255

Ala Pro Ala Arg Leu Phe Ala Leu Leu
1 5

<210> 256

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 256

Lys Leu Gly Glu Ile Val Thr Thr Ile
1 5

<210> 257

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 257

Met Val Asp Gly Thr Leu Leu Leu Leu
1 5

<210> 258

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 258

Thr Pro Ser Glu Pro His Pro Val Leu
1 5

<210> 259

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 259

Ala Pro Asp Ala Ala Pro Ala Pro Ala Ser Ile
1 5 10

<210> 260

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 260

Ala Leu Pro Glu Asp Leu Val Glu Val
1 5

<210> 261

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 261

Gly Ser His Ser Met Arg Tyr Phe
1 5

<210> 262

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 262

Ala Pro Ala Ser Pro Phe Arg Gln Leu
1 5

<210> 263

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 263

Asn Ile Lys Phe Val Pro Ala Glu Ala
1 5

<210> 264

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 264

Met Leu Ala Ala Leu Asn Gly Leu Ser Val
1 5 10

<210> 265

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 265

Ala Pro Arg Pro Pro Pro Lys Pro Met
1 5

<210> 266

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 266

Ser Pro Asn Ala Glu Ile His Ile Leu
1 5

<210> 267

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 267

Ala Pro Arg Thr Val Leu Leu Leu Leu
1 5

<210> 268

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 268

Phe Val Leu Pro Glu Leu Pro Ser Val
1 5

<210> 269

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 269

Phe Ser Asn Phe Ile Phe Glu Val
1 5

<210> 270

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 270

Ala Pro Glu Glu His Pro Val Leu Leu
1 5

<210> 271

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 271

Ser Pro Lys Gly Lys Phe Ser Leu Phe
1 5

<210> 272

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 272

Ala Leu His Asp Ile Leu Thr Glu Ile
1 5

<210> 273

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 273

Leu Pro Gln Gly Ile Val Arg Glu Leu
1 5

<210> 274

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 274

Ser Leu Ile Asp Gln Phe Phe Gly Val
1 5

<210> 275

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 275

Met Leu Phe Gly His Pro Leu Leu Val
1 5

<210> 276

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 276

Ala Leu Pro Glu Ile Phe Thr Glu Leu
1 5

<210> 277

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 277

Thr Pro Trp Gln Pro Pro Thr Val Leu
1 5

<210> 278

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 278

Leu Pro Arg Gln Pro Pro Met Ser Leu
1 5

<210> 279

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 279

Ser Pro Asn Leu Arg Leu Leu Asp Leu
1 5

<210> 280

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 280

Ile Leu His Asp Asp Glu Val Thr Val
1 5

<210> 281

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 281

Phe Leu Leu Pro Leu Ile Ile Val Leu
1 5

<210> 282

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 282

Leu Pro Asp Glu Arg Thr Ile Ser Leu
1 5

<210> 283

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 283

Ser Leu Leu Leu Asn Met Leu Glu Ile
1 5

<210> 284

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 284

Leu Pro Ala Trp Pro His Arg Gly Leu
1 5

<210> 285

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 285

Ala Leu Trp Gly Phe Phe Pro Val Leu
1 5

<210> 286

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 286

Tyr Pro Lys Arg Pro Leu Leu Gly Leu
1 5

<210> 287

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 287

Ala Pro Phe Leu Arg Asn Val Glu Leu
1 5

<210> 288

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 288

Asn Pro Ala Glu Asn Phe Arg Val Leu
1 5

<210> 289

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 289

Val Leu Asp Asp Lys Leu Tyr Val Val
1 5

<210> 290

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 290

Asn Gln Phe Pro Gly Phe Lys Glu Val
1 5

<210> 291

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 291

Arg Pro Lys Asp Pro Asn Asn Leu Leu
1 5

<210> 292

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 292

Leu Val Phe Asp Ala Leu Ile Tyr Ile
1 5

<210> 293

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 293

Ser Pro His Ile Pro Tyr Lys Leu Leu
1 5

<210> 294

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 294

Tyr Val Val Asp Ile Phe Thr Thr Leu
1 5

<210> 295

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 295

Arg Leu Gln Glu Glu Leu Ile Ala Val
1 5

<210> 296

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 296

Asn Leu Met Glu Gln Pro Ile Lys Val
1 5

<210> 297

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 297

Phe Met Leu Pro Asp Pro Gln Asn Ile
1 5

<210> 298

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 298

Thr Leu His Asp Gln Val His Leu Leu
1 5

<210> 299

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 299

Ile Leu Ser Pro Ala Gly Gln Ile Phe Met
1 5 10

<210> 300

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 300

Phe Leu Ser Glu Leu Thr Gln Gln Leu
1 5

<210> 301

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 301

Ser Pro Arg Phe Pro Ala Gln Tyr Leu
1 5

<210> 302

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 302

Arg Leu Trp Gly Glu Pro Val Asn Leu
1 5

<210> 303

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 303

Thr Leu Thr Glu Glu Gly Val Ile Lys Val
1 5 10

<210> 304

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 304

Thr Leu Thr Glu Glu Gly Val Ile Gln Val
1 5 10

<210> 305

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 305

Phe Leu Gln Glu Gly Asp Leu Ile Ser Ala
1 5 10

<210> 306

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 306

Lys Ile Leu Asp Tyr Glu Val Thr Leu
1 5

<210> 307

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 307

Ile Leu Phe Lys Ser Ile Phe Glu Val
1 5

<210> 308

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 308

Asn Pro Arg Ile Pro Tyr Thr Glu Leu
1 5

<210> 309

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 309

Phe Leu Ala Asp Pro Ser Ala Phe Val Ala Ala
1 5 10

<210> 310

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 310

Leu Leu Leu Pro Asp Tyr Tyr Leu Val
1 5

<210> 311

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 311

Arg Pro Arg Pro Asp Asp Leu Glu Ile
1 5

<210> 312

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 312

Tyr Thr Glu Phe Thr Pro Thr Glu Lys
1 5

<210> 313

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 313

Lys Pro Lys Thr Pro Ser Leu Thr Val Phe
1 5 10

<210> 314

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 314

Leu Phe Arg Thr Gln Leu Lys Thr Leu
1 5

<210> 315

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 315

Lys Met Leu Arg Leu Ser Tyr Pro Leu
1 5

<210> 316

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 316

Thr Leu Leu Glu Asp Gly Thr Phe Lys Val
1 5 10

<210> 317

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 317

His Leu Leu Glu Glu Pro Ile Tyr Leu
1 5

<210> 318

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 318

Ser Leu Leu Asp Glu Phe Tyr Lys Leu
1 5

<210> 319

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 319

Ser Pro Arg Glu Asn Ile Leu Val Ser Leu
1 5 10

<210> 320

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 320

Ala Leu Ile Glu Val Pro Asp Gly Phe Thr Ala
1 5 10

<210> 321

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 321

Ser Leu Leu Asp Arg Phe Leu Ala Thr Val
1 5 10

<210> 322

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 322

Gln Pro Asp Gln Thr Arg Ile Val Ala Leu
1 5 10

<210> 323

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 323

Ala Pro Arg Thr Val Leu Leu Leu Leu Ser Ala
1 5 10

<210> 324

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 324

Tyr Ile Phe Glu Glu Pro Phe Thr Ile
1 5

<210> 325

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 325

Thr Pro Ser Leu Val Lys Ser Thr Ser Gln Leu
1 5 10

<210> 326

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 326

Val Leu Ile Asp Val Gly Thr Gly Tyr Tyr Val
1 5 10

<210> 327

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 327

Ile Pro Tyr His Ser Glu Val Pro Val Ser Leu
1 5 10

<210> 328

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 328

Ala Pro Ser His Ala Lys Phe Arg Ser Thr Gly Leu
1 5 10

<210> 329

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 329

Val Ile Leu Asp Leu Pro Leu Val
1 5

<210> 330

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 330

Leu Leu Leu Pro Asp Tyr Tyr Leu
1 5

<210> 331

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 331

Val Leu Val Pro Gly His Leu Gln Ser Val
1 5 10

<210> 332

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 332

Leu Leu Asp Pro Asn Val Lys Ser Ile Phe Val
1 5 10

<210> 333

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 333

Ile Phe Asp Leu Gly Gly Gly Thr Phe
1 5

<210> 334

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 334

Val Phe Asp Pro Val Pro Val Gly Val
1 5

<210> 335

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 335

Phe Phe Glu Ser Phe Gly Asp Leu
1 5

<210> 336

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 336

Ala Phe Asp Pro Thr Ser Thr Leu Leu
1 5

<210> 337

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 337

His Phe Asp Met Ala Val Tyr Leu
1 5

<210> 338

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 338

Ser Phe Asp Thr Gly Phe Thr Ser Phe
1 5

<210> 339

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 339

Lys Phe Asp Asp Gly Ala Val Phe Leu
1 5

<210> 340

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 340

Ser Met Asp Pro Leu Pro Val Phe Leu
1 5

<210> 341

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 341

Val Phe Asp Glu Ala Ile Arg Ala Val
1 5

<210> 342

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 342

Leu Phe Asp Pro Met Thr Gly Thr Phe
1 5

<210> 343

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 343

Ser Phe Asp Ala His Leu Thr Glu Leu
1 5

<210> 344

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 344

Val Phe Asp Lys Thr Leu Ala Glu Leu
1 5

<210> 345

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 345

Ile Phe Asp Ser Lys Val Thr Glu Ile
1 5

<210> 346

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 346

Ala Tyr Asp Pro Tyr Leu Ile Ala Met
1 5

<210> 347

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 347

Tyr Phe Asp Pro Ala Asn Gly Lys Phe
1 5

<210> 348

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 348

Leu Phe Asp His Ala Val Ser Lys Phe
1 5

<210> 349

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 349

Val Tyr Asp Gly Lys Ile Tyr Thr Leu
1 5

<210> 350

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 350

His Phe Asp Leu Ser Val Ile Glu Leu
1 5

<210> 351

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 351

Thr Phe Asp Asp Ile Val His Ser Phe
1 5

<210> 352

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 352

His Phe Asp Pro Glu Val Val Gln Ile
1 5

<210> 353

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 353

Ser Tyr Asp Leu Phe Val Asn Ser Phe
1 5

<210> 354

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 354

Thr Phe Asp Leu Gln Arg Ile Gly Phe
1 5

<210> 355

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 355

Lys Tyr Asp Pro Asn Val Tyr Ser Ile
1 5

<210> 356

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 356

Phe Trp Pro Ser Leu Pro Ser Tyr Leu
1 5

<210> 357

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 357

Tyr Tyr Asp Gly Lys Val Met Lys Leu
1 5

<210> 358

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 358

Ser Phe Asp Leu Leu Pro Arg Glu Phe
1 5

<210> 359

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 359

His Trp Asp Pro Gln Glu Val Thr Leu
1 5

<210> 360

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 360

Val Phe Asp Glu Ala Ile Arg Ala Val Leu
1 5 10

<210> 361

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 361

Ile Tyr Asp Ser Val Lys Val Tyr Phe
1 5

<210> 362

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 362

Phe Tyr Asp Glu Arg Ile Val Val Val
1 5

<210> 363

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 363

Lys Trp Pro Asp Arg Ile Thr Leu Leu
1 5

<210> 364

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 364

Tyr Tyr Asp Glu Lys Val Val Lys Leu
1 5

<210> 365

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 365

Leu Phe Asp Lys His Lys Thr Lys Phe
1 5

<210> 366

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 366

Tyr Tyr Asp Pro Lys His Val Ile Phe
1 5

<210> 367

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 367

Ser Tyr Asp Pro Thr Ile Glu Asn Thr Phe
1 5 10

<210> 368

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 368

Tyr Leu Pro Asp Phe Leu Asp Tyr Phe
1 5

<210> 369

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 369

Arg Phe Asp Glu Ala Tyr Ile Tyr Met
1 5

<210> 370

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

<400> 370

Tyr Phe Asp Pro Gln Tyr Phe Glu Phe
1 5

<210> 371

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> synthetic oligonucleotide

<400> 371

aagcttatgc tggcatggc gccccgaacc

30

<210> 372

<211> 42

<212> DNA

<213> Artificial Sequence

<220>

<223> synthetic oligonucleotide

<400> 372

ggatccttag atatcgggga cggtggactg ggaagacggc tc

42